

# Swing/SWT Integration with the Albireo Project

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## Why?

- Why embed Swing in RCP/SWT applications?
  - ◆ Reuse existing Swing GUIs
    - Incremental adoption of Eclipse technologies
    - Use vendor libraries built upon Swing
- Why the need for Albireo?
  - ◆ SWT's **SWT\_AWT** bridge is low-level
  - ◆ Albireo is much easier to use
    - Common integration tasks are performed
    - Some complexity from multithreading is hidden

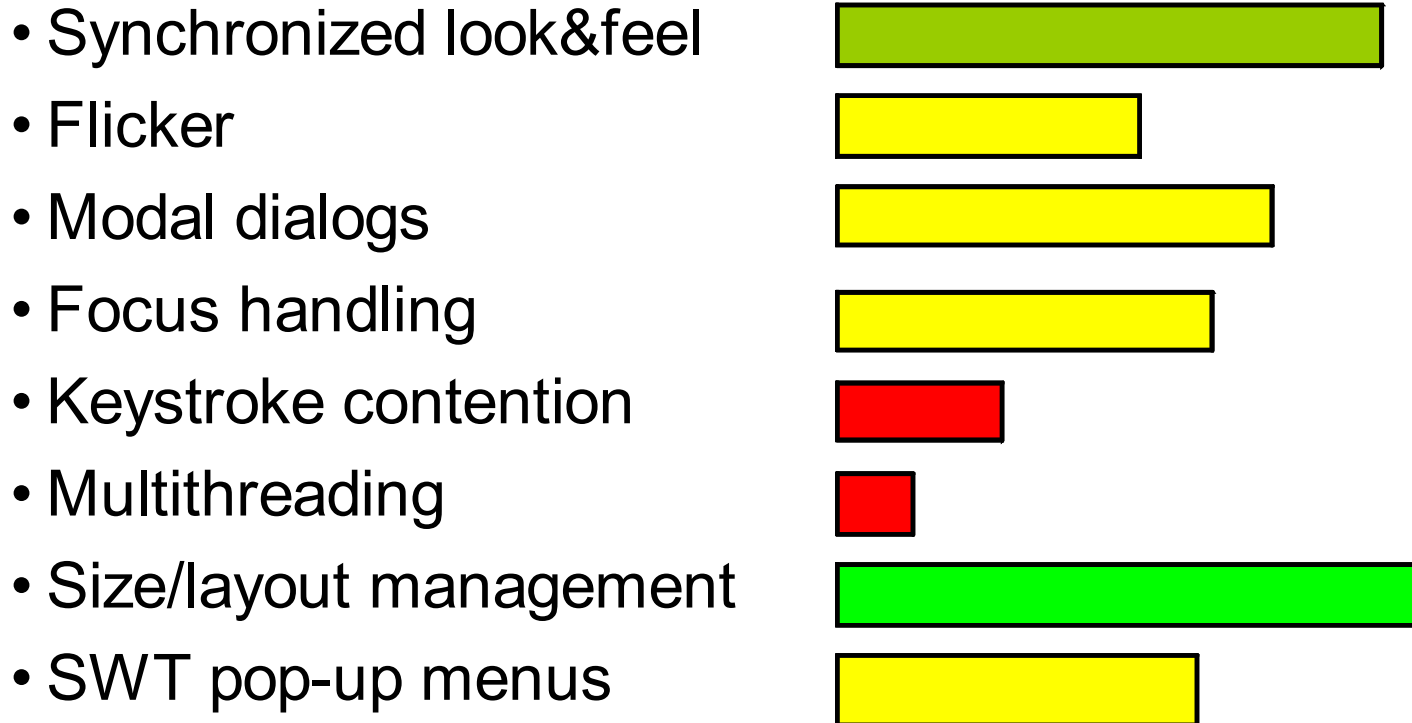
## Features

- Synchronized look&feel
- Reduced flicker of embedded Swing components
- Correct behavior of modal dialogs across both toolkits
- Proper focus handling, tab traversal
- Easier multithreading
- Smooth integration of size/layout management
- SWT pop-up menus on Swing components

## Code Example

```
SwingControl control =  
    new SwingControl(parent, SWT.NONE) {  
        protected JComponent createSwingComponent() {  
            return new JMagicPanel();  
        }  
        public Composite getLayoutAncestor() {  
            return parent;  
        }  
    };
```

## Status



## More about Albireo

- Visit our BOF!

Wednesday, 8:45 pm, Room 209/210

Your feedback will be welcome.

- Project home page: <http://www.eclipse.org/albireo>
- Project wiki: [http://wiki.eclipse.org/Albireo\\_Project](http://wiki.eclipse.org/Albireo_Project)